**LESSON 6 PRACTICE ASSIGNMENT**

Your client wants to move all their data to Amazon S3. They have categorized their data into the following:  
  
1. Frequently accessed critical data – this data needs to be always available and needs to be protected against accidental deletes  
2. Limited period critical data – this data is critically only for the first 30 days then it is only accessed periodically for another 60 days, after that it is rarely accessed  
3. Archive data – this data is older and needs to be retained for archive and auditing purposes.  
  
Create three buckets for each of the data categories and configure Versioning and Lifecycle Management where appropriate.

1. Login to AWS and open up S3.
2. Click on “Create Bucket” and 3 new buckets for each of the data categories.
3. For “Frequently accessed critical data” do the following:
   1. Bucket Name: simplilearn.frequent
   2. Click “Create”
   3. In the “Properties” section click on “Versioning” and “Enable Versioning”.
4. For “Limited period critical data” do the following:
   1. Bucket Name: simplilearn.limited
   2. Click “Create”
   3. In the “Properties” section click on “Lifecycle” and “Add rule”.
   4. Click on “Configure Rule”
   5. Select “Transition to the Standard - Infrequent Access Storage Class” and select “30” for the number of days.
   6. Select “Archive to the Glacier Storage Class” and select “60” for the number of days.
   7. Click “Review” and “Create and Activate Rule”.
5. For “Archive data” do the following:
   1. Bucket Name: simplilearn.archive
   2. Click “Create”
   3. In the “Properties” section click on “Lifecycle” and “Add rule”.
   4. Click on “Configure Rule”
   5. Select “Archive to the Glacier Storage Class” and select “0” for the number of days.
   6. Click “Review” and “Create and Activate Rule”.

**NB! Remember that you might not be able to use the bucket names suggested as they have to be globally unique.**